



UNITED STATES DEPARTMENT OF AGRICULTURE
RURAL DEVELOPMENT

OPEN WALL INSPECTION CHECKLIST

This guide may not be all inclusive of work to be inspected but will assist in general areas that are sometimes overlooked.

The framing, plumbing, mechanical and electrical work is roughed in and walls insulated with vapor barrier applied.

THE PLANS AND SPECIFICATIONS ARE WITH ME SO THAT I CAN VERIFY THAT THE HOUSE IS BEING CONSTRUCTED IN ACCORDANCE WITH THE CERTIFIED PLANS AND SPECIFICATIONS.

Walls and Floor Framing

- _____ Is the spacing and size of joists according to the plans and specifications?
- _____ Are the joists placed with the crown-side up?
- _____ Are the joists and headers doubled at large openings such as stairwells, fireplaces, and chimneys?
- _____ Are joist hangers used in place of nails to anchor joists, especially when supporting tail joists are over 12' -0" long?
- _____ Is lumber marked with the grade equal to or better than the grade described in the specifications?
- _____ Has the plywood subfloor been laid with tight joints? (Moisture will cause the plywood to buckle if the joints are too tight resulting in expansion/contraction of tile/ vinyl flooring).
- _____ Is the subflooring glued and nailed to the floor joists per the plans and specifications?
- _____ Does the plywood, used for the subflooring, have a panel identification index marking on each sheet?
- _____ Are all window and door sizes as per the plans?
- _____ Are room dimensions, closets etc. as per the plans?
- _____ Do the studs have full bearing on the sole (bottom) plate?
- _____ Are all exterior and interior bearing walls built with a double top plate?
- _____ Are double studs placed at each side of door or window opening in load bearing walls?
- _____ Is there corner bracing, let in "T" or channel bracing at all corners?
- _____ Are there truss ties at each end of each truss?
- _____ If 7/16" roof decking, are "H" clips applied?

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- _____ Cuts, notches and holes bored in trusses, laminated veneer lumber, glue-laminated members or I-Joists are not permitted unless the effects of such

penetrations are specifically considered in the design of the member. IRC R502.8.2

Stairs

- _____ Are tread dimensions per plans and specifications?
- _____ Does the rise of steps in a stairway exceed maximum shown on plans?
- _____ Is the run of the step not less than the minimum shown on plans?
- _____ Are all risers the same height?
- _____ Is the number of risers and treads the same as called for on the drawings?
- _____ Is the stairway the width shown on the plans and specifications?
- _____ Are the stringers cut to fit both the tread and the riser?

HVAC

- _____ Does equipment provided meet the description in the plans and specifications?
- _____ Is the size of the main trunk line according to the plans and specs?
- _____ Is the cold air return slightly greater than that of the hot air output?
- _____ Is there a duct hanger on each side of the duct for every 4'-0" of duct run?
- _____ Are main trunk line units secured together? (not duct taped)
- _____ Are heat registers located in every room?
- _____ If gas fired heating system, is it vented to the outside?

Plumbing

- _____ Are all copper pipe connections soldered?
- _____ Are the locations subject to potential freezing well insulated?
- _____ Are the plastic pipe joints glued? (Adhesive is normally purple in color and clearly shows.)
- _____ Does the quality of materials comply with the specifications?
- _____ Is the installation per plans and specifications?
- _____ Is the workmanship acceptable?
- _____ Are the water supply lines adequate?
- _____ Are there air chambers at each fixture?
- _____ Are there drain valves for entire system?
- _____ Are vents and venting adequate?
- _____ Are the traps and cleanouts installed?
- _____ Are hangers and supports in place?
- _____ Are the supply and sewer piping tested per codes?
- _____ Are metal cover plates used to protect piping if close to surface of studs?
- _____ *Are all drains marked as Schedule 40?*

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Electrical

- _____ Are the number of circuits per plans and specs?
- _____ Is the breaker box sized per the specifications? 150 with gas heat; 200 amps with electric heat.
- _____ Is the location of outlets and switches per the plans and specifications?
- _____ Is wiring 12/2 with ground? (switch legs may be 14/2)
- _____ Are there GFI circuits at kitchen, bathroom, garage, and outdoor receptacles?
- _____ Are exhaust fans in bathrooms/kitchens per plans and specs? (Are they vented to the exterior?)
- _____ Is the meter located per plans and specifications?
- _____ Are there metal plates at studs if required?
- _____ Are there wires touching pipes or other metal?
- _____ Are there electrical boxes at all required smoke detector locations?

Open Wall Inspection (insulation) Checklist

- _____ Is the vapor barrier provided as required?
- _____ Does the vapor barrier seal the insulation at walls and openings?
- _____ Are windows and doors fully insulated around?
- _____ Is insulation and vapor barrier fitting around outlets, devices, etc. tight?
- _____ Is batt insulation of adequate width to fit between joists and studs and of thickness and facing required?
- _____ Is "R" value as required?
- _____ Are corners and partition walls insulated?
- _____ Has the insulation remained dry until it was covered by the roof?
- _____ Have supports for insulation been installed at joists?
- _____ Is the wall sheathing installed per plans and specifications?
- _____ Is there adequate spacing, blocking and anchorage for the roof?
- _____ Are the roof bracing connections installed per the plans and specifications?
- _____ Is the underlayment installed per plans and specifications?
- _____ Are shingles installed according to plans and specifications?
- _____ Is there full air chutes between every third truss? Partial air chutes (air chutes that do not span the full distance between trusses) need to be between every other truss. Insure all other openings blocked to prevent blown insulation from entering the soffitt area.
- _____ If vinyl windows, do they have a Low-E rating?
- _____ Is there flashing on all appropriate parts of the roof?

NOTES:
